#### JACK MORROW HILLS

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Page 78

We don't want that. We've got to realize that the American Indians need to be involved in these major and important decisions that need to be made in regard to those areas such as that.

After all, this is an ancient land to the American Indians. And the second comment is for the White people and the company, such as they are today.

Regardless how we talk and speak and vote, they override a lot of these things. Those are politicians.

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We need to watch these politicians. We need to confer, as we should, as a people of America, regardless of where we are, here, there, or wherever, to protect the interests of our people and our children that are yet to come in the future.

I like to see a lot of that happen so 18 that these things can be enjoyed for our younger people that's going to be here. But to do the things that they want us to do is pollution, and we know all the effects of pollution.

We know all the effects of what's going 23 on, the greenhouse effect and everything else that goes with it. And the people inhale the kind of stuff that come out of these gas wells, these oil wells.

and Pinedale

But regardless, we've lost a lot of land 2 3 that is so dear to us; not only to the Native Americans, but all of you here and your children. We 4 need to sit down and say, "Okay, that's enough."

Page 80

We have certain areas in our land here that need to be protected. There's a lot of other places where we can go, or they can go to dig for oil and gas, not in these immediate areas such as where we

H We need to fully realize and talk to 12 these companies about that. It's been too many times now that the American, Indians as well as the good people amongst you, that's been excluded to make these 15 major decisions if they can or cannot have what they want to do to manage these areas, whether it be oil 17 and gas, or other resources that have been mentioned.

My friends, I can say more, but I think 19 I went over that minute, two minutes or three minutes. 20 But I want to say more.

21 But anyway, a lot of you have already 22 said what I wanted to say. I want to thank you for 23 your time.

Thank you. MR. GRIFFITH: Thanks, Mark.

Page 79

We have a mining going on west of there, potash, and whatever you have, gypsum and all of that drifts over this way. Prevailing winds come in from Lander, Riverton, and now we wonder why we're all sick and come down with cancer and everything else.

So these things have to be looked at in the proper perspective so that they can understand. Now, the way that I heard it today, it is just a small area.

I rode that area with my older people when I was 12 years old going from here and trailing horses to Rock Springs. I know the country pretty good.

Another time I rode the country was, gosh, I don't remember, in the '50s, when they took a good horse out of the area. Desert Bust was also the historical event at that time.

We didn't catch the horse anyway. And the other things that went through there is when the old people went over to review the land, the Treaty that was supposed to be made in 18-, 1868, I believe

That Treaty was made in Fort Bridger. Those were supposed - At that time it as a large area of the Wind River Reservation, clear up to La Barge

Page 81

Syd Corrigan. A SPECTATOR. Not here. MR. GRIFFITH: Not here? Okay. Mary

4 Gay. MS. GAY: My name is Mary Gay, G-a-y.

6 I've been 60 years on this planet Earth. I, I think most of you have said, but I

am thinking also about conserving this area. I think as humans we have the ability to come out with 10 creative ideas.

We like to think of ourselves as the 12 intelligent animal; that we can have a vision for the future. I would like to see us use that to preserve and protect this area, and instead of moving ourselves 15 to seeing it simply as something to exploit 16 economically.

17 That's it. I support the Citizens' 18 Alternative.

MR. GRIFFITH: Thanks, Mary. 19 20 Nikki Comes Running Buck.

21 MS. COMES RUNNING BUCK: I'm Nikki Comes 22 Running Buck, and all I want to say before I run out

23 of time is that I do support the Citizens' 24 Alternative. You know, the first time I had even

heard of Jack Morrow Hills was a few years ago when my

21 (Pages 78 to 81)

### JACK MORROW HILLS

Page 82 daughter, who is now a sophomore in high school, I I think that we need to keep those in think she had to do some kind of an extensive study the great State of Texas. Since they are already on, on the use of that area, the Red Desert area. willing in that state, I think they should drill So we went down to the BLM office and 4 there. they handed us a book that was this thick (Whereupon, a response of applause was 6 (demonstrating). Honestly, you know. had.) 6 It was like that. And I said, "Wow." MR. GARVIN: Since this regime has moved So we took it home and, you know, had a to my land, they have destroyed many, many natural resources, many, many sacred sites of my people, many chance to look through it. And she based her report 10 on, you know, what - We looked at old maps and 10 of my burial grounds. That continues on to this day. So I would ask the respect of the BLM everything. 11 for my ancestors that are buried out there. They, And, you know, her conclusion was that, 12 12 13 you know, we can go elsewhere for this oil and natural 13 they, many of the people, they tell me that the birds, gas. I mean, to me, the balance of oil and gas on, they still sing the same song that they sang in the 15 lapping this little island on three sides, is vast 15 beginning The elk still migrate. The little frogs 16 with keeping this place pretty much, you know, with 16 and the mudpuppies, they still do the same things. the uses we've had for thus far. 17 17 You know, some places should be left The man, the human beings are the ones 18 18 alone. You know, I - Thank you. 19 who have changed. We've changed the earth and we've 19 You know, it puzzles me. I'm a citizen. continually destroyed the earth through our own greed, 20 20 21 I don't belong to anything in 21 through our own comforts of life. particular. I like to reach my own conclusions. So we need to think about that. Each But, you know, I don't understand how 23 23 one of us need to think about our own comforts, and 24 you can make an Environmental Impact Statement when 24 what we are willing to give up. you only really studied a very small percentage of 25 With that, they said that we are the law Page 83 that environment. You know, I think, you know, you of the land. And we need to obey the laws that the need to learn more about what you're tearing up. And I've also seen what, what those oil instills upon us. development areas leave behind. It isn't pretty. So with that I think that I have just I guess that's it. about picked up on everything. Like I said, we've 6

MR. GRIFFITH: Thank you, Nikki. Michial Garvin. MR. GARVIN: I want to thank you for giving me a chance to speak. It's G-a-r-v-i-n. That's my government name. Everybody My Elder talked, and Soldier Wolf talked, and even my white brother over there talked in

a good way, so I don't know what to say. I wrote a few things down.

We need to concentrate and think about our children that are not yet born. This plan just goes 10, 20 years.

We've been here for thousands of years. And we need to look past two or three generations. We need to look toward seven

generations. That is the way the Native people look toward, seven generations from now.

Think about that. I'd like to, other alternatives of drilling our natural resources. Page 85

Page 84

Creator gave to us, not the laws that the Government

been destroying my sacred sites, and I ask protection

MR. GRIFFITH: Thank you, Michial. 9 10 Chelsea Kesselheim.

MS. KESSELHEIM: I'm Chelsea Kesselheim, speaking for myself. C-h-e-l-s-e-a, 12 13 K-e-s-s-e-l-h-e-i-m.

That probably took one of my minutes. Most of what I want to say has been said, but I've spent some time thinking about this, so I think I can say it.

18 Development changes our environment, and it changes us. And there is no going back. 19

20 When we go back to our own hometowns, 21 maybe 40 years later, what do we find? We find lots of large houses, often standing where grassy hills 22 23 used to be.

24 We find walls existing where deer used to bed down. And we see polluted rivers sludged by,

22 (Pages 82 to 85)

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#### JACK MORROW HILLS

Page 86

where hundreds of, and thousands of birds once rose

All right, so we're out there at campsites. The BLM puts up a "Wilderness Study Area, Closed," up there.

Page 88

Of course we respect them. We don't vehicle in.

We're not allowed. But we'll walk back

in there.

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The weird thing about it was that later 9 on in some of the Desert trips, we've come across "No Trespassing" signs put up by oil companies. Now, it says right here in the book that federal Lease or Permit holders may not exclude public from these

permit areas if the appropriate easement exists, such

as existing roads. 15

But it says: However, some areas may be 16 closed to public entry by order of the Federal Land 17 Management Agency. An example of this is a mining 18 operation that has been closed for reasons of public 19 safety.

So everything out there, you're not 20

going to be able to drive out and see it unless you 21 22 have light aircraft. You'd be able to see things from

23 the air.

24 And those of you that do want to go there, the Wyoming Statute 6-3-303, criminal trespass:

Page 87

have 51,000 methane wells, currently compared to North American's equivalent of the Ruhr Valley in Germany, Germany's most industrial developed area.

Whether we be hunters, ranchers, recreationists, artists, the human spirit requires the solitude of open spaces. Also, in the past and the future required, it is a requirement that we preserve this unique land which is our home to us.

from clear water in the morning mist.

inward draining springs.

18 other kinds of development.

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12 extinct.

The Red Desert is one of America's

remaining somewhat wild places. It is geographically

Continental Divide, and sparsely watered by its own

Yet it sustains herds of elk, antelope,

Buffalo jumps and sites sacred to the

place in a broadening and developing country, most of

forests, and even their deserts to oil development and

The vibrant area of the Jack Morrow

seriously impacted if 200, at the least, 200 oil and

roads, and the trucks, all out to develop there. This

25 that the Powder River Basin, which is now proposing to

Hills, and the rest of this Red Desert, will be

gas wells, with their rigs and the criss-cross of

24 sounds extreme in a way, but I have recently heard

migrant birds. Old fosils indicate that this area was

Indians fill the landscape. The Red Desert is a rare

which have lost their native birds and plants, their

inhabited in other epochs by species that are now

and uniquely a desert enclosed by a split in the

buffalo, wild horses, nesting sage, falcons, and

I support the Citizens' Wildlife and Wildlands Alternative as perhaps our best chance to fulfill our obligations. Let's save what we can.

MR. GRIFFITH: Thank you, Chelsea. Steve Pearson

MR. PEARSON: Thanks. I'm Steve Pearson, P-e-a-r-s-o-n.

I'm representing myself. I look at all these people, and I thought the Red Desert was the best-kept secret on the planet.

I've only seen about 40 out there. And generally when I go out there I only see maybe one other vehicle, and it's miles away.

So anyhow, what I would like to address here is the issue that has been kind of, been tough for me to deal with, and it's this BLM public access publication here. And anyhow, I'm terrible at this.

Page 89

Criminal trespass is a misdemeanor, of which by, you will be imprisoned by not more than six months or not more than \$750 or both.

Thank you MR. GRIFFITH: Thanks, Steve. Just a short comment.

This sounds bureaucratic, but I just encourage you to come into the Lander Office and put a response in to that. I'm sure you can get that 10 through.

11 Thanks for raising that. Okny, Richard Hipp. Richard Hipp. 12 13 That must have been the guy that ran for pizza. Okay, how about Scott Boettcher? MR. BOETTCHER: Scott Boettcher,

15 S-c-o-t-t, B-o-e-t-t-c-h-e-r. First of all, I would like to thank the BLM for opening up this forum for 18 the general public.

19 And I would like to thank them for considering our comments. The first thing that I would like to talk about is the sage grouse and the sage grouse buffer.

23 Right now the current EIS calls for 24 a-quarter of a mile buffer within the sage grouse buffering sites. Clait E. Braun, in, of the Journal

23 (Pages 86 to 89)

# JACK MORROW HILLS

Page 90

of Wildlife Management ,in 1999 published a study where 90 percent of the sage grouse nest within four Of that 90 percent, approximately two-thirds nest within the first two months. So as we look at the quarter-mile buffer, we realize that it needs to be at least two miles, if not three, and preferably four.

That would give the sage grouse the best protection possible. Currently I'm working on a Grant funded by BRIM where we are looking at sage grouse.

And they are very sensitive to human intrusion. Areas where major county roads run through, sage grouse likely will just abandon them; just flat out abandon.

16 Another thing that I would like to talk about is primarily the opposition against this Plan for conservation and oil and gas drilling. And for 18 19 the oil and gas the primary motive seems to be the economic reasons. 20

21 You know, as a concerned citizen of 22 Wyoming and its future, you know, I would like to bring up the fact that the economics provided by oil and gas is highly boom and bust. What's going to 25 happen in 20 years when oil and gas companies pull out Page 92

Page 93

As of yet, and I've been around a lot of the country, and I haven't found anyplace that I can see myself really living long-term, because here in Lander, or here in Wyoming is the only place that I've found where I feel like I can live my life in the midst of a landscape that is still beautiful and majestic, and a landscape that is untamed and unbroken as of yet. And that means a lot to me. And that means a lot to other people my 10 age, and young folks who are living here in Wyoming right now. And so I guess I would say that if you want to talk about providing for our young people, how about providing us with some reasons not to move away, by leaving some of our wild places alone? 15 MR. GRIFFITH: Thank you, Scott. 16 Bart Koehler. 17

MR. KOEHLER: Thank you. My name is 18 Bart Koehler, K-o-e-h-l-e-r. Last night I testified in behalf of the

Wilderness Society down in Rock Springs, and I'm 20 testifing as an American who has known and loved Wyoming for more than 30 years. My old friend, John Bell, who is sitting out there, once wrote, "There are

certain places that always give you a thrill." He's right. One such place is the heart

Page 91

of the Jack Morrow Hills?

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The schools are going to lose their funding. What is going to happen then?

We need to rely on sustainable outfitters that we've heard testimony on before for a sustainable use in the Jack Morrow Hills. Oil and gas is obviously not sustainable, and therefore we should not count on the income for large periods of time, either in tax revenue or for personal, you know,

Thank you to the BLM. I really 12 appreciate the time offered.

MR. GRIFFITH: Thank you, Scott. Scott Clabby.

MR. CLABBY: 'That is Clabby, C-l-a-b-b-y. And I guess I would just like to give a quick rebuttal to those who have emphasized the importance of oil and gas revenue in providing

resources to our young people. I'm 23. I grew up here in Lander, and like a lot of other people my age I've tried to move away from Wyoming several times.

But I keep coming back. And the reason I keep coming back is because every time I go somewhere else, I miss the land here.

of the Red Desert.

I believe that there is no place like the Red Desert on this planet. Yesterday when we went down to the Rock Springs hearing we came across tipi rings, the reminders of the Shoshoni people who have endured thousands of years.

The rings echo sacred circles of life, and the growing heartbeat of Mother Earth. I also know that many ranchers have lived on this land and respected this place.

11 I have no beef with the local ranchers. 12 My beef is with those who believe that having 95 percent of the BLM lands of Wyoming open for oil and 13 14 gas is not enough.

My beef is with those that believe that this wild part of the Red Desert should not be off 16 17 limits to more damage and the all-too destructive hand of man. It was very late last night when we drove 19 back from Rock Springs, and I swear that I saw several 20 jackalope sitting along side the road.

21 And they were holding big signs saying, 22 "We support the Citizens' of Wildlife and Wildlands Alternative." For the Record, I support those 23 jackalope, and I urge you to as well.

For the Record, the Citizens'

(Pages 90 to 93)

#### JACK MORROW HILLS

Page 94 Alternative is a true balance multiple-use proposal. think so. Finally the word "patriot." It means Not if you are a responsible caretaker someone who honors his or her country and protects for that painting. And any responsible caretaker of their country from harm. the Red Desert has got to seek to preserve it in its As the true spirit of patriotism, natural state. Wyoming citizens are calling for lasting protections, It's a work of art, and we need to and I emphasize "lasting protections" for the Red preserve it. None of the existing alternatives do Desert. Theodore Roosevelt called conservation a 8 that. great moral issue and our patriotic duty. And again, I urge you to support the How many times have we asked for the Red 10 Citizens' Wildlife and Wildlands Alternative. Thank Desert to be protected? How many more times do we 11 you. have to ask? MR. GRIFFITH: Thanks, Steve. 12 12 13 I urge you now to protect the Red Desert 13 It's a serious topic, but I am being finally and forever. As Olaus Murie said 50 years entertained. Thank you. 14 15 ago, "God bless America. Let's save some of it." 15 Ty Mack Thank you. 16 16 MR. MACK: My name is Ty Mack. That's MR. GRIFFITH: Thank you, Bart. 17 T-y, M-a-c-k 18 Steve Jones. 18 I grew up in Lander, and I would support MR. JONES: Thanks. My name is Steve 19 19 the Citizens' Wildlife and Wildlands Alternative. As 20 Jones, J-o-n-e-s. you folks have seen today, a lot of people find value 21 I, I support the Citizens' Wildlife and in it to preserve and protect the Red Desert for a Wildlands Alternative. And I do think it's important whole bunch of reasons, whether it's, whether it's to remember, as Harold Scholl mentioned earlier, in 23 because it's a sacred place and it's your homeland, or terms of the wilderness that is proposed to be whether it's wildlife habitat, or whether it's just a 25 preserved, even in the good conservation alternative, 25 place where you can go out and get lost and stub your

isn't a very small area in the Red Desert.

And as Bart mentioned, 95 percent of the BLM lands are subject to oil and gas leasing. So we need to keep that in mind.

It is a very reasonable Alternative, and I urge the BLM to consider it. Although Leopold talks about thinking like a mountain, what he meant by that is that it's important to think about what's good for the landscape for long-term.

10 So it is important that when the BLM 11 makes this decision, that you think like the Desert 12 and you think about how fragile it is. It's important that you think about the whole benefit of this 14 landscape for the long term.

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The Red Desert is a beautiful area with a rare Desert elk herd, oddly shaped boodoos, the glistening sand dunes, and lots and lots of silence. In effect, it's a living, breathing, natural work of art.

And if I were to tell you that I was going to paint a little black mustache on the Mona Lisa and tell you that, "Well, it's okay because, after all, it's only going to affect only one and a-half percent of the whole painting and so it really won't hurt a thing," would you let me do it? I don't toe on a cactus and scramble down a sand dune. But the Jack Morrow Hills area really

has value primarily as open space, as a wild place. One speaker mentioned earlier this evening that the best thing in the long term for state coffers was oil and gas development.

And I think that we need to look at a longer term. Look for more than just a few years, more than just a few decades.

But look generations into the future, 11 where if, that, those wild spaces and those open, undisturbed places that make Wyoming a place that we 13 want to live and that people want to visit. Thanks. 14

MR. GRIFFITH: Thanks, Ty. Dave Freitag.

16 MR. FREITAG: My name is Dave Freitag, 17 F-r-e-i-t-a-g, and I represent the Wasatch Mountain

Placer Association. For the past several years my family and I have held several gold claims on the

Dickie Springs-Oregon Buttes gold deposit which lies 20 21 on northern boundary of the planning area. 22

This deposit, which covers an area of 23 over ten square miles, was first discovered over 130 24 years ago by some of the first settlers crossing Wyoming along the Pioneer Trail. In 1896, a British

25 (Pages 94 to 97)

Page 96

Page 97

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## JACK MORROW HILLS

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Page 98

As I said in the beginning of this

comprehensive studies of this deposit today. With the help of 24 men, he dug over 2,700 test beds within this area. His conclusion was 5 known as South Pass Summit. that this deposit held more than 3.5 million ounces of

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He believed that this deposit could be mined for at least 30 years. This deposit was not studied again until 1978, when David Love and two associates from the U.S. Geological Survey took another hard look at the origin and find of the Dickie Springs-Oregon Buttes gold deposit.

company hired a consulting engineering by the name of

Edward Green (phonetic), who completed one of the most

With over 80 samples taken, Love determined that the area may hold over 28 million ounces of gold, and still this does not factor in the hidden-lode source. At today's gold price, that would equal over \$9 billion, making this a world-class gold deposit.

20 Since that survey was finished 25 years 21 ago, no other surveys have been done to this date. With the release of the Supplemental Draft, it has 22 23 been stated that this deposit only holds one million

ounces of gold, and that the potential for a 25 large-scale gold mining operation is low.

statement, my family and I have been testing and sampling this deposit since 1995. We hold over 800 acres of valid placer gold claims along the region now

In that time we have tested over 100 samples from this area. We believe that this area shows a very high potential for a large-scale gold mining operation, but with the alternatives that are 10 before us today, that option would be dismissed. I cannot express enough that a new and

thorough study needs to be performed on this deposit before any decisions are made to its future. The study also needs to be performed by a third party, such as the Wyoming Geological Survey, a study that does not hold any special interest behind its decision.

18 If this deposit has shown, once again, 19 to be a world-class deposit, then the benefits to the people and the economy of the State of Wyoming would be significant. The decisions made with the outcome of 22 this Draft will affect this area for the next 20 years 23 or more.

24 I can only hope that our dreams and those of the first pioneers over a hundred years ago

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So today I have to ask the question: Where did the facts come from that this figure's based on? I wanted to question Dave Valenzuella, the geologist who helped prepare this information, but I found that he is no longer working for the Bureau of Land Management.

I wanted to question the new geologist at the last meeting here, but she was scheduled for other priorities. I was able to talk to Stuart Strong (phonetic), an associate in a consulting firm based in Houston, Texas, that prepared this Draft, but his answers were vague at best.

I have made numerous calls to the Bureau of Land Management to try to pin down where this information came from to see the documentation that these facts were based on. Based on what Mr. Strong. had said at the last meeting, I called the Wyoming State Geological Survey and spoke with Dan Hausel, who is the Senior Economic Geologist.

He informed me that no one had contacted him in regards to this deposit, but that he also had very optimistic feelings about this deposit, and felt that it required further study. So again I have to say: Where did the facts come from that base this study?

Page 101

Page 100

who lost their lives there, who planned a town there, who found their American dream there, are once again not silenced. Thank you.

MR. GRIFFITH: Thank you, Dave. Liz Howell, the Wyoming Wilderness Association

MS. HOWELL: Thank you, Marty. I'm Liz Howell, H-o-w-e-l-l, of the Wyoming Wilderness Association, W-i-d, 10 1-d-e-r-n-e-s-s.

11 Are there any Congressional Reps out 12 there? Raise your hand. 13

(Whereupon, a response was had.) MS. HOWELL: Great. I hope that you are taking notes. This is a very important national area.

Thank you for coming. 17 And thanks to the BLM. I am a

18 19 third-generation Wyomingite. 20 My grandfather actually took a

21 stagecoach across the Red Desert to get to Worland to 22 the Basin country. I have a great story about him. 23 Anyway, the Wyoming Wilderness

Association is a revitalized group who have been advocating for the protection of Wyoming's wildlands

26 (Pages 98 to 101)

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## JACK MORROW HILLS

## Page 102

since 1979. We'll be submitting more extensive comments.

Jack, the Red Desert, the Jack Morrow Hills is one of those places that should have been long ago congressionally protected and set aside. The Jack Morrow Hills was set apart from the BLM's planning of the Green River RMP, we think because, not because of its great energy resources, but for its extraordinary values for wilderness, wildlife, and history.

The oil and gas industry knows that there isn't much potential in the Jack Morrow Hills. They just can't give the American people one square 14 inch of protected landscapes.

Of the 622,000 acres of the Jack Morrow 16 Hills Study Area, there are seven Wilderness Study Areas, totaling 117,000 acres. The Wyoming Wilderness. Coalition conducted their own inventory and found 233,000 acres in 18-, in 1989.

20 Recent new inventories reveal an 21 additional 50,000 acres. Two hundred and eighty thousand acres of wild, pristine desert country to get lost in, to bunt elk without motors, noise, or

civilized, industrialized intrusions awaits.

Only the Citizens' Wildlands and

Page 104

mineral exploration do not adequately take into account the long-term recreational values and financial potential this vast, great desert offers to the recreation industry.

We always, I mean, we always hear about the economic loss from not being able to expand oil and gas production. Little consideration is given to the permanent economic loss of visual quality of recreation.

10 Increased road construction, increased truffic, increased noise, increased oil and gas 11 production, and mineral extraction that uses

13 historical and technologically aged extraction methods are not conducive of the long-term visual and

recreational values this country has to offer. We do 16 not accept the concept of increased extraction and expansion, while permanently reducing or eliminating

the aesthetic recreational value. We're not opposed to multiple-use extraction, and recognize the unfortunate overwhelming 20 dependence on myself, our country, and our society has

on extracted nonrenewable resources. However, we are opposed to multiple-use extraction on public lands at

the expense of physical and economic aesthetic values

25 that the Red Desert offers.

#### Page 103

Wildlife Alternative will protect the Hills adequately. This world is changing too rapidly.

We have to seek the course that makes us thrive, not materially, but from our hearts. Please protect the Jack Morrow Hills.

Thank you.

MR. GRIFFITH: Thanks, Liz.

Scott Woodruff.

MR. WOODRUFF: Thank you. My name is

Scott Woodruff, W-o-o-d-r-u-f-f.

I own a commercial outfitting business here, and I operate on some of the lands in the Jack Morrow Hills. I wanted to say I was real encouraged with some of the younger comments tonight.

It's, it's good to see that that's out there. Some of us are getting old and fat, and hope that they catch the bug.

I've taken more of a position of economics, and I'm going to analyze that. We support

the least impact of the visual and aesthetic values to this country. Without the incredible vast and unique

visual values this area offers, it would not be considered desirable or a remarkable area for

recreation. The proponents of increased oil, gas, and

Page 105

Corporate claims that the modern and the environmentally sound extraction and transportation methods are cost-prohititive is an unacceptable, fiscal, self-serving answer, especially when the alternative is extermination of this valuable, visual resource. We will be supporting the Citizens' Wildlands and Wildlife Alternative.

MR. GRIFFITH: Thanks, Scott. Jolene Catron.

MS. CATRON: Good evening, everybody. 10 My name is Jolene Catron.

That's J-o-1-e-n-e, C-a-t-r-o-n. And 12 I'm here speaking as a concerned citizen. 13 14

I live here in Lander. I'm originally New Mexico.

I am both Navaho and Laguna, and my clan 16 17 on the Navaho side is To'aheedliinii, which is "The Water Comes Together People." I have pages and pages 19 of comments, but I'm just going to try to summarize 20 the best that I can.

Throughout this SDEIS much care has been made to designate the American Indian sites as respected places. I am not a member of the Shoshone or the Arapaho Tribes, so I cannot speak for them, but as a concerned citizen and an enrolled member of the

27 (Pages 102 to 105)

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#### JACK MORROW HILLS

Page 106

Navaho Nations, this protection of sacred sites oftentimes comes up against the same kinds of

I promise that these sites are indeed sacred and deserve the protection afforded them by years of established federal Indian Law, presidentual Executive Orders, and internal memoranda developed by federal agencies with the BLM included. There is a large disparity between protections planned for other resources, such as the Wilderness Study Areas, and protected species areas, compared to Native American

bureaucratic lip service.

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Overall, Indian sites receive far less 14 recognition, study, and protection from harm. There is an important sucredness not recognized by, there is an important sacredness not recognized, - Oh, sorry. - recognized by Native Tribes that are buried in areas within the Red Desert.

18 19 This SDEIS does not address these 20 issues, and instead, proposes a one-size-fits-all, 21 which is a 100-foot buffer to respect these sites. Section 1.6 - I also have some comments regarding 23 environmental justice, and in the, in the SDEIS it further states that these areas are not likely to be impacted by actions within the planning area, given

Page 108

the past

And I think the BLM should weigh these comments in the spirit that they are given. The people who strongly favor the system's conservational alternative in the past reincarnation of this study were not sheep that were blindly led, but people who were perhaps somewhat intimidated, as I am, by the weight of the Federal Government.

Perhaps they don't want to stand up and 10 speak. And also, I think many of us wonder if values that carry no dollar signs are really listened to.

We signed these cards in the hopes that facts that are on these cards will lend weight to what 13 we know in our heart to be true. And what we know might kind of, as stakeholders, is that we value the 16 Red Desert. 17

And when we say that Wyoming is like no place on earth, we are thinking of the vistas and vastness of the areas like the Jack Morrow Hills. When I recently visited the Jonah Oil Field near Pinedale, I saw first-hand what oil and gas

development does to the fragile Wyoming landscape. 23 Over in that area, no place like earth,

"Like no place on earth," has a totally different meaning. I felt like I had entered a horrific science

Page 107

the geographic distance between the Reservations and the riparian area; basically saying that their actions, the BLM actions won't have any adverse effects on the minority populations in the Reservation.

And this is nonsense. This is like saying people in Riverton and people in Dubois are not impacted by actions taken by the BLM on public land within Fremont or Sweetwater County.

Thank you. MR. GRIFFITH: Thanks, Jolene. Barbara Oakleaf. MS. OAKLEAF: I'm Barbara Oakleaf,

O-a-k-l-c-a-f. I've attended all of the public meetings held here in Lander relating to the Red Desert and the Jack Morrow Hills, and I've continually beard about stakeholders.

Stakeholders are those who have something to gain or something to lose in this decision-making process. It seems to me that the 20 majority of stakeholders are like me.

We have nothing to gain financially, but we have a great deal to lose. Many of us do not have facts and figures to throw into this debate, and thus many people who feel as I do have signed post cards in

Page 109 fiction movie on some distant and definitely hostile

It resembles nothing on this earth except a very unorganized, unplanned industrial park that any city would be ashamed of. In the long run, 5 we have more to gain by remaining in this special spot on this planet, by selling our past and future

heritage with little regard to what we already have. People in Teton County thought that the 10 formation of Teton National Park would bankrupt their county. Instead, it increased their revenues. 11

I support the Citizens' Alternative, the 12 Wildlife and Wildlands Alternative, because I think it 13 favors the wildlife and our future. Thanks. 14 15 MR. GRIFFITH: Thank you, Barbara

16 Marian Doane, representing Friends of 17 the Red Desert, Fremont County Chapter. MS. DOANE: I am Marian Doane. That's 18

19 M-a-r-i-a-n, D-o-a-n-c.

20 I am a natural scientist. I am here representing the Fremont County Friends of the Red 21 22 Desert.

23 And we will submit written comments with all of our specific concerns. I would like to start out with a quote taken from the first DIS, DEIS, Page

28 (Pages 106 to 109)

### JACK MORROW HILLS

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#### Page 110

235, written by the Rock Springs BLM, and released in

hand lens. I wish that I was born in Wyoming, but I wasn't. But once I saw it, I knew that I was

Quote: Maintaining connectivity between important habitats, crucial winter ranges, severe winter relief areas, calf/fawning habitats, migratory corridors, topographic relief areas, mountain shrub communities, and forest-type habitat within the planning area is paramount to sustaining viable big-game herds and other wildlife. Fragmentation of 10 these crucial habitats will not sustain big-game

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going to spend the rest of my life here. I've been in Wyoming 22 years. And I have otherwise recreated

populations indefinitely, unquote. We support the Citizens' Wildlife and Wildlands Alternative because it does insure the long-term survival of the Red Desert elk and the pronghorn antelope herd, and other wildlife. It will protect many Native American cultural sites and

throughout most of western Wyoming, but particularly also in the Jack Morrow Hills. I, I have a Ph.D. in zoology and wildlife management, which I am not trying to say is anything special, but I did spend almost a decade in Rock Springs writing industrial impacts on 12 wildlife.

I wish I was still doing that today.

historical landmarks. It will prevent new roads and developments in roadless areas. It will allow for responsible use and access to public lands.

14 I'm not. But when I first visited the Jack Morrow 15 16 Hills in 1979, I was struck by its unique beauty, the feeling of solitude, and the abundance of wildlife.

21 And it will prohibit all new oil and gas 22 leasing, and large-scale mining activities, while calling for trade-in and for buy-out of existing 23 leases. Scientists have been amazed by the number of 25 different remarkable values found to occur in the

And for a while that was a pretty exciting experience. I reviewed the Jack Morrow Hills CAR and am struck by the feeling that the BLM views multiple use to only oil, gas, and mining, leaving other

recreational values, other recreational uses such as hunting and so on in a back seat, with any other concerns for wildlife in the same place. The Impact 25 Analysis for wildlife only mentions possible impacts

Page 111

622,000 acre Jack Morrow Hills.

Virtually no part of the Jack Morrow Hills area is lacking in special values. Seven Wilderness Study Areas, two ACDS, and a long list there that I could tell you about.

Let's just get to the end. With only two percent of the Red Desert inventoried, we believe that there are many more wonders to be found out

Last night at the Rock Springs hearing 1 heard a lady say, "BLM says industry says they have to drill where the oil is." Well, we say, we have to say wild, open spaces stay where wild, open spaces are.

MR. GRIFFITH: Thanks, Marian. Steve Platt.

MR. PLATT: My name is Steve Platt, Platt, no "e" like the river. I'm representing myself, and I do not seek, nor will I accept designation as a elder, even though I am.

I would like to say everything that all of the other conservation alternative people have said. Of course, I don't think that we're going to get all that said again.

What I would like to do is, is kind of give you my own views through my little microscope Page 113

Page 112

for those wildlife, and really makes no quantifiable statement about what might happen.

Well, I think if, what might happen, as stated, is you'd see, and as many people in here that are here now, as hunters also here wanting to protect their recreational value.

(Whereupon, insudible remarks were made 8 among the participants, after which the following occurred:)

10 MR. PLATT: I prefer the Preferred 11 Alternative. I think that 12,000 public comments from past hearings have been ignored.

13 I think that the way the BLM is headed, it's going to go down in history as the major 14 contributor to the demise of wildlife, not only in Wyoming, but throughout its areas of concern. We need to look to future generations and what we're going to 17 18 leave for them, and quick thinking of the end of our 19 nose. Thank you.

MR. GRIFFITH: Thanks, Steve. Andrea Cero-, Cerovski. I beg your pardon.

23 MS. CEROVSKI: That was pretty good. 24 You should see how it's usually butchered. My name is Andrea Cerovski, A-n-d-r-e-a,

29 (Pages 110 to 113)

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#### JACK MORROW HILLS

Page 114 Page 116 C-e-r-o-v-s-k-i. Tonight I present my testimony as a will tolerate, particularly those who rely on citizen concerned about the fate of the Red Desert, mobilization to attract mates. Sure, areas above However, my vocation as a nongame these thresholds will still have birds. biologist for the Wyoming Game and Fish Department, A SPECTATOR: Time. MS. CEROVSKI: Well, I would like to say and my other profession as the president of the Red that I support the Citizens' Wildlife Alternative and Desert Audubon Society, lend credibility to my testimony. As many have stated, the aesthetic beauty that there should be more studies on the impacts of and quality-of-life opportunities that the Red Desert 8 other species before the oil and gas and mining provides are immensely important. 9 occurs. 10 I not only work in the Jack Morrow Hills 10 11 area, but I hunt there. I fish there. 11 MR. GRIFFITH: Thank you, Andrea. I recreate there with my friends and Judy Inberg 12 12 family. Preservation of the long view, free from the MS. INBERG: My name is Judy Inberg, 13 13 industrialized markings of modern man, is vital to the 14 Judy, J-u-d-y, I-n-b-e-r-g. I'm from Riverton. Jack Morrow Hills. I'm here as a private citizen. I 15 15 The long view is there now, and it support the Citizens' Wildlife and Wetlands (sic) 16 16 17 should remain there for future generations to 17 Alternative for the Jack Morrow Hills Plan. 18 experience. We all know the critical-habitat Specifically, I am interested in components that the Red Desert provides for the some maintaining the view-scape. It is thrilling to stand 19 19 20 350 wildlife species that inhabit the area. 20 on the Oregon Trail and experience the grandeur of the Pronghorn, greater sage grouse, elk, and even wild horses have already been mentioned. landscape as it must have been for the pioneers and 21 22 the Native people who were here first. 22 23 However, tonight I speak for the nongame birds and 23 There is too much roads and power lines, mammals of the Red Desert, for they, too, need a development of gas wells, and all the equipment and 25 noise that goes with that would totally change this

Page 115

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There are eight species classified as sagebrush obligates. That is the species that are restricted to sagebrush habitat during the breeding season or year-round.

In addition to the pronghorn and greater sage grouse, other sagebrush obligates species include the sage thrasher, the sage sparrow, the brewer sparrow, the pygmy rabbit, the sagebrush lizard, and the sagebrush vole. Two of these species have already been petitioned to list them as threatened and endangered species, the greater sage grouse and the pygmy rabbit.

On a landscape scale, Wyoming provides the greatest amount of habitat for these obligates than any other State in the Nation. This is a responsibility we should not take lightly.

For years I've conducted a breading bird survey route through the heart of the Jack Morrow Hills area. In the absence of industrialization, the nongame birds and sagebrush obligate species that I mentioned are present in good numbers because their required habitat is still relatively in tact.

However, recent research in the Pinedale area and in New Mexico and Oregon it is revealed that there is a threshold of relevant and noise that birds

Page 117

experience. And it would never be regained. I am always concerned with wildlife, 3 wildlife habitat issues, no matter where development occurs. We have such a unique landscape in the Red Desert, and in the Jack Morrow Hills in particular, that I feel that it would adversely affect the wildlife, specifically the antelope and Desert elk 8 herd roaming and development.

And I was glad to hear Andrea's comments on all the other species. It was very interesting.

I feel that the BLM has a responsibility to manage these lands for future generations, also. That means protecting wilderness study areas. Destroying these lands for short-term

financial gains, ignoring science-based studies, and ignoring 12,000 public comments calling for protection of the area seems to go against managing these lands 18 for their preservation. And I'd like to add that I always write letters instead of sending post cards because I don't think they pay attention to them.

And now I spent all the time writing 20 21

22 these letters and they still don't pay attention to 23 24

MR. GRIFFITH: Thank you, Judy. Martin Blackburn, Young Warriors.

30 (Pages 114 to 117)

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## JACK MORROW HILLS

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## Page 118

Page 120

Page 121

MR. BLACKBURN: I've been waiting so long my paper is all wrinkled up here. M-a-r-t-i-n, B-1-a-c-k-b-u-r-n.

I represent the Young Warriors' Society for both the Shoshoni and the Arapaho of the Wind River Reservation here. A lot of our young people have come together and listened to those traditions of who we are and where we came from.

And we try to hang onto those, and we
try to preserve our culture, our language, and all of
those things that have kept us alive all these years,
centuries, and so forth. I spent a considerable
amount of time talking with our elders, and our elders
tell us how to conduct yourselves and how to have
respect for Mother Earth.

The ceremonies that we have, the
ceremonies teach us how to conduct yourself and take
care of the land that has been given to us from the
beginning of time. And water is a real important
factor.

It is a real important element in our
 life. Water, it is part of our circle of life.

hard to, to bring that back. You know, it's

destroyed.

shared land.

10 for that.

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23 It keeps us going. And there is water
24 out there, and there are sacred springs out there in
25 these mountains, in these areas out in the Red Desert.

And when coalbed methane - The impacts of coalbed methane affects the water, and it's very

And, you know, somebody has to speak for the water. Somebody has to speak for those animals.

And I'm thankful that all of you are

here, you know, to have care for that, and I thank you

Before the concept of private property,

What was stated in the BLM, one of the

here, Friends of the Red Desert. All my relation's

12 before the concept of statehood, before the concept of

reservations, this was all open land. This was a

plans that, that the Tribes here aren't affected by

that, yeah, that's ridiculous, because we traded, all

of you for your efforts and continue protecting that.
Thank you.

3 MR. GRIFFITH: Thanks, Martin.
4 Warren Ulmer with the Wyoming
5 Atmospheric Research.

MR. ULMER: My name is Warren Ulmer, U-l-m-e-r, and I am a consultant with Wyoming Atmospheric Research. And first of all I want to say that I am for the Citizens' proposal.

about what we know about the visual values, the
aerosols, and the atmospheric chemistry that is going
on, as I'm the only aerosol atmospheric chemist in the
immediate area. For me — You would have to go down
to UW otherwise.

And I want to do a quick education here

For me it would be a personal financial
gain if there was development here. I could work with
the gas companies and work with other people in that
infrastructure hiring me to do studies.

20 So I'm, I'm going just the opposite
21 in saying this. And what do we know about what's
22 going on in the area?

23 What are the visual values? Well, not 24 much, to tell you the truth.

The closest we have are the improved

#### Page 119

sites, which is the - I can never remember this
 acronym. -- Interagency Monitoring Protected Visual
 Environment. We have two sites here in the local

4 area, both in the Wind River Mountains, one in 5 Yellowstone, and then I hope to develop one in the 6 Wind River Basin next year.

And what are they showing about the air
that we have in this immediate area? Well, what is
shown is what Barbara is talking about with the Jonah
Field.

The Jonah Field has substantially
imperative air quality around here. We've all seen
that

When we go over to Pinedale we can't see
the Wind Rivers anymore. In meteorology we call that
particulate matter at ten microns, and that is what
we're worried about.

17 we're worried about.
18 And we're worried about roads that would
19 be in the Red Desert area on there. We need to stop
20 all of this dust coming up, even if we have more
21 people visiting the area just as tourists.

This shows up well in areas like
Gillette, where the Wyoming DEQ is going nuts trying
to figure out what they are doing with all the dust up

there. And here we talk about 205 wells that are

31 (Pages 118 to 121)

the Tribes here, before statchood and everything like that. We traded with one another in four directions, the people up north, the people to the west, and to the east and down south.

And I wanted to take it upon myself to contact the rest of our relatives in our area that traded, and they have specific value to those areas. And my time is up, and I would still like to thank all

#### JACK MORROW HILLS

Page 122 Page 124 open-ended. They tell you when to get off if the And what's going to happen around here? grass is short. No rancher is going to leave his cows The Basin is hydrologically closed, but it's also on where there is no grass when he is trying to put meteorologically closed. two pounds a day on those calves. We know about the great windstorms here, With the mining and oil, I'm going to but for the most part it's a closed basin. just go back to what Teno Roncalio said a number years MR. GRIFFITH: Time's up. ago. They asked him, "What about mining the Red MR. ULMER: Okay. And lastly, the 8 Desert?" Southwest Wyoming Technical Air Forum recent study He said, "You might as well just mine that was just recently published shows the same thing. 10 the hell out of it. It ain't good for anything else," So what I would like to say once more 11 Well, I can't agree with him. Anybody 12 again is: Let's support this Citizens' proposal here that uses the great outdoors, I don't care if it's a and keep visual clarity in the Red Desert basin. hunter or camper, oil driller, has got to leave it as 14 MR. GRIFFITH: Thank you, Warren. good as he finds it. 15 Melissa Mueller. If you want to see a good example, go 16 A PARTICIPANT: She left. 16 out on the Coal Mine Road and look at the trash we 17 MR. GRIFFITH: She left? Okay. hunters leave when we go out to site in our rifles. 17 18 Charles Edwards. The last week my friend went out there and somebody 10 MR. EDWARDS: I'm Charles Edwards, took old T.V. sets out there and used them to shoot at 20 E-d-w-a-r-d-s. I've been in Lander for the last ten 20 and left a beautiful mess. 21 years. 21 Everybody has got to clean up behind 22 I've been in Wyoming for the last 75. 22 themselves regardless of what your occupation or what 23 I've visited and worked in the county. your use is of this public land. But we cannot lock 23 24 There is not a spot in Wyoming that it up or not make it anymore. doesn't have beauty to somebody. But if we lock up a 25 Thank you.

Page 123

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MR. GRIFFITH: Thanks, Charles. Jim Hellver

MR. HELLYER: Thank you for the opportunity to comment tonight. My name is Jim Hellyer.

That's H-e-I-l-y-e-r. I'd like to begin by thanking the entire BLM team for years of work. It's taken years to get here. We've

been involved in this for years.

When this study is over and everybody goes to their next study, we're still going to be here. You laugh, but it's the truth.

Now - Sorry for my emphatic remarks. 1 would also like to express my thanks to the

cooperating agencies and County Commissioners, Conversation Districts, the State of Wyoming.

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17 Specifically, the Preferred Alternative represents a balanced approach to managing this area. 18

This Preferred Alternative treats all concerns much 19 20 more fairly than the previous approach did so.

21 Speaking from a ranching perspective,

22 the Preferred Alternative is a workable set of goals. 23

It is a flexible plan. 24

Talk about myself here, and where we operate, and where we run our cows. We have about 40

million acres here and a million acres there, pretty soon one half of Wyoming is not going to be here.

There are three industries that basically finance the State of Wyoming, the top one being minerals. I'll start with tourism, as we all read in the paper that it produces a billion-eight a усаг.

It also employes 32,000 people. What is tourism?

It's not just the people who drive through here going to Yellowstone Park. It is hunters, fishermen, backpackers, campers, snowmobilers, four-wheelers, the people that like the great outdoors.

That is tourism to me. So if we close off an area we are taking away something that we have to offer to people.

Another one, and I haven't heard it chewed on here tonight, -- That amazed me. -- is raising of livestock on public land. The BLM controls those leases.

They are an attractive lease money-wise, but I think the BLM does a good job of managing those leases. They tell you how many cows, how long, when and where you can put your cows.

32 (Pages 122 to 125)

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Page 125

#### JACK MORROW HILLS

Page 126 Page 128 with the Arapaho and the Shoshoni many years ago, I percent of the allotment is wilderness study area. There is another 40 percent that is would very much like to see the Citizens' Alternative ACEC. There is critical elk, there is sage grouse, accepted. and on and on and on. MR. GRIFFITH: Thanks, Carol. The livestock and their associated Mel Long. A SPECTATOR: No. needs, water, fences, private property, roads, all of 6 MR. GRIFFITH: No? Okay. these things, are scattered throughout wilderness study areas, critical habitats, ACECs. And this 8 Okay, Laurie Sain. Preferred Alternative provides the flexibility so that MS. SAIN: Thanks. I'm Laurie Sain, 10 our ranch can operate and maintain its needs now and 10 L-a-u-r-i-e, last name's S-a-i-n. in the future. 11 I am speaking as a citizen of Lander and In conjunction with meeting the needs of 12 of Wyoming. We've got so much pressure from the oil the study areas, the ACECs, it's flexible. If oil and 13 and gas companies to drill, to take advantage of our 14 gas comes, it provides a mechanism for us to work with 14 extracted industries. oil and gas. 15 They also tell us it's good for the 16 MR. GRIFFITH: Time's up. Thanks, Jim. people of Wyoming because that's where we get a lot of 17 Carol Long. our financial support; that's where we get all of our 17 MS. LONG: My name's Carol Long. 18 18 school support. But the oil and gas industry can 19 C-a-r-o-l, L-o-n-g. 1 live in Casper. drill 90 percent of BLM land in southwest Wyoming 20 My husband and I drove here today 20 21 because we thought that it was very important that 21 And for the last hundred years citizens other places other than just Lander and Rock Springs 22 have tried to protect the Red Desert area, 1898, 23 are heard. 23 1930s, 1960s, 2000, today. Ninety-three of the 24 In 1974 my family and I moved to, to citizens supported the Alternative, I heard. Point of Rocks, basically, because my husband went to 25 Twelve thousand public comments in

Page 127

work at Jim Bridger. We looked everywhere for a place to live, and there was no place to live.

So what we finally wound up doing was going to what we call the "Hobo Camp," which was the trailer park provided by the company. Best move I've made.

It wasn't pretty. It wasn't always

easy.

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We didn't have TV, and we didn't have radio, but we did have the Desert. And we spent just about every day for two years learning and appreciating and loving the Desert.

There weren't any county roads out there then. There weren't any oil drillings going on out there then

It was the most beautiful, wonderful place that I had ever been or ever seen, and I travel a lot. Last summer we spent quite a bit of time out in the Desert again.

It's not as beautiful and it's not as wonderful, and there is oil and there's county roads, 21 but it is still very much worth preserving. We don't need any more oil drilling.

And since I have no faith in the

Government honoring the Treaties that they've made

Page 129

support of the Red Desert. Today's comments are running roughly ten-to-one in support of the Red

So I just have one question: When is and these are the people who are very aware of the impact of oil and gas on our finances. They are the people who live here, by and large.

One question is: When is it going to be that the wishes of the many, the people who own the Red Desert, take precedence over the financial interests of the few? I support the Citizens'

12 Alternative to protect the Red Desert. It's one of the few wild places left in 13 14

MR. GRIFFITH: Thank you, Laurie. 15 16 Dennis Chaffchec (phonetic). No? Okay, Shawn Murray. 17

MR. MURRAY: My name is Shawn Murray, 18 S-h-a-w-n, M-u-r-r-a-y. I'm here on behalf of myself. 19

20 Obviously we can see that these are 21 issues that have polarized the public greatly, and as well they should. They are public lands. 22 23

Public lands belong to us all. So we 24 need to take an approach that caters to us all. The policies that are going to be handed

33 (Pages 126 to 129)

#### JACK MORROW HILLS

Page 132 Page 130 down here need to be in the interest of the all, not And you think, and you have some based on a single vocal say of the population, no matches, and you think, "Oh, I could start a fire and matter who that may be, whether it's for economic or I could be warm down here," until you start thinking, financial gain, whether it's for recreation, whether "Well, wait a second. If I light that fire and warm it's for preservation. We cannot take a one-side myself with that, I'll still have to climb out. "And when I get to the top, I won't have In the complex issues of land the money in my hand. Or I could climb out right now management, the policy needs to be flexible to wisely and I will still have a million dollars." address all the issues. That didn't come up. Likewise, with the Jack Morrow Hills, The Preferred Alternative gives 10 10 we're going to have to get to the point of energy flexibility to the oversight agency to effectively security one way or another by developing alternative 11 12 manage both renewable and nonrenewable resources in a fuels. We can do that by having squandered all of our manner that best suits the present and future needs Nation's wealth, and the treasures of the Jack Morrow 14 and desires to the general population who own this Hills, or we can get there having saved a few places 15 land. Thank you. 15 like that. 16 MR. GRIFFITH: Thank you, Shawn. Let's - I hope that we do that, and not 16 17 Christine Lichtenfels. 17 end up a demoralized, destitute nation, having MS. LICHTENFELS: My name is Christine 18 squandered our national treasure, but instead of 19 Lichtenfels, C-h-r-i-s-t-i-n-c, L-i-c-h-t-e-n-f-e-l-s. having discipline and strength to save what makes our I'm here today to voice my support for protecting the 20 nation special that makes you proud to be an American. Jack Morrow Hills and its many resources, as set out 21 21 MR. GRIFFITH: Thank you, Christine. 22 in the Citizens' Wildlife and Wildlands Alternative, 22 Dave Raynolds. 23 most importantly that no oil and gas development. MR. RAYNOLDS: You know, Christine is a 23 should take place. 24 hard act to follow because she is death on thistles. And let me know if that is entirely She was out chopping off thistle head on our ranch one

Page 131

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consistent with the legal definition of "multiple use." And I would encourage anyone who thinks that oil and gas, "multiple use" means oil and gas needs to

Take a look at the law and you will find out otherwise. To suggest that every ounce of recoverable oil and gas must be extracted from the ground in order to maintain a strong nation is a

happen everywhere.

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We all know that the world's oil and gas reserves are finite and that we must wean ourselves on our dependence on oil and gas. So let's not ruin the last wild places that are so vital to keeping our Nation's spirit strong in the name of oil and gas when we know that we must change to other forms of energy and we are just delaying the inevitable.

Please, let's make that change for some of the special places like the Jack Morrow Hills still in tact. Bear with me for a second.

Imagine for a second that you fall into an icy crevasse. To rescue yourself you know you have to climb out, and it's not going to be easy.

And you also know there is no one else to rescue you. But amazingly enough, you have a stash of 500 thousand-dollar bills in your pocket.

Page 133

time, and they've never come back. I'm Dave Raynolds, R-a-y-n-o-1-d-s. There are 20 of us in three generations on one of these family ranches. And we raise more than we eat. And I think that I've heard several other families of that

sort that are here tonight.

Anyone else raises more than they eat? It's lonely.

What I would like to do is ask for a round of applause for those who are here who will not speak and who are not spouses. My spouse is here, so I'm not asking for applause for her.

And Mr. Long is driving Mrs. Long back 15 to Casper. But how about a round of applause for those who are listening to all these sincere views?

(Whercupon a response was had, after which the following occurred:)

19 MR. RAYNOLDS: I'll provide a written comment later, but I would just like to add a couple 21 of pieces of perspective. Mae and I are helping out a

little bit in grade school, third grade, where really and truly the kids think that the milk comes from 24

Safeway and shoes come from Wal-Mart. 25 Now, I'm wearing fancy shoes from

34 (Pages 130 to 133)

#### JACK MORROW HILLS

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Page 134

Montana made out of buffalo hide, which is appropriate. And Mae just gave me some elk for

On top of Table Mountain, you may not know this, but the antelope come up from the Red Desert to fawn. They've been doing that, I guess, for

And when the iron mine started and stopped, it didn't seem to start and stop them. They are up there, so those of you who are around here wonder, "Where do the Red Desert antelope go?" they are right up on the hill.

And they just as soon that nobody bother them. One of the things, just for perspective, and it's not in the EIS yet, but hopefully it gets there sometime, if you want to really know what Fremont County and Sublette County and so forth were like in the 1550s, go down to the Red Desert.

One of our remaining sand dunes is that butte that's on the road between here and Hudson just before that Alliance Valley Road takes off. This entire area probably didn't have a bird flying over.

23 It was a cold desert. It lasted for 24 quite a while.

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It was called a "mega-drought." It was

Page 136

this month the BLM, Wyoming BLM will approve the largest natural gas project in its history, 51,000 3 coalbed methane wells in the Powder River Basin.

That project will require tens of thousands of miles of new roads, pipelines, and overhead power lines. The effect will be to industrialize what today exists as open space and rangeland.

It will create a landscape scale of industrialization. But the development is not, unfortunately, limited to that basin.

12 All of Wyoming's basins are undergoing 13 severe development activity, and thus severe environmental pressures. I just want to go through, 14 quickly, a list of natural gas projects I'm aware of 15 that have been approved of since the mid-1990s by the 17

This again, this is just a partial list. The Jonah II project, 450 wells; the Pinedale 18 19

Anticline, 900 wells; Continental Divide, 3,000 wells;

21 Moxa Arch, 1,300 wells; Fontenelle Natural Gas

Project, 1,300 wells; Cave Gulch, 200 wells; South

Baggs, 50 wells; Mulligan Draw, 385 wells. 23

The BLM has on its plate right now set for approval the additional projects. I mentioned the

Page 135

kind of an offset of one that was down in the southwest around 1000 A.D.

Ours was around 1550. If Coronado, instead of riding in the direction that the Indians came from, decided when he got to the House of Pueblo to ride due north, but the Indians weren't coming from there, he would have hit sand at the Arkansas River, and it would have been sand from there clear up to

So just for perspective, we think it is nice and permanent right now. It is not permanent. It is always changing all the time. And

I think we need to add perspective to the EIS.

Thank you. MR. GRIFFITH: Thanks, Dave. Dan Heilig.

MR. HEILIG: My name's Dan Heilig, 17 18 H-e-i-l-i-g. If I could just briefly respond to some of the claims we've heard that we need to drill on the 19

Red Desert, often those claims are linked with 21 assertions that the people who, like many of us here 22 that are working to protect and preserve special

places, wild places like the Red Desert, are somehow 23 24 naive or ignorant or selfish.

That is clearly not the case. Later

Page 137

51,000-well project in the Powder River Basin. South Pincy, 210 wells; and Kenna, the

Jonah infill, 1,250 wells; Semino Road CBM Project, 1,240 wells; the Atlantic Rim CBM Project, 3,880 wells; Desolation Flats, 385 wells; Wind River Natural Gas Development Project, 325; new wells in a field

depth that presently contains 160 wells; Vermillion Basin, 56 wells; Big Porcupine, 453 wells.

And the list goes on and on. We do not need to drill in the Jack Morrow Hills on the Red 10 11 Desert.

MR. GRIFFITH: Thanks, Dan. Colleen Whalen.

MS. WHALEN: Colleen Whalen, 14 W-h-a-l-e-n. I'm from Lander and representing myself. 15 I grew up in Wyoming. My dad worked for 16

Marathon from the time that I was 16. My mom worked with the BLM from the time

that I was about eight. And there in Worland when 19 there was an accident out in the oil field, my dad 20

21 would get called out for Marathon and my mom would get 22 called out for BLM. 23

I really believe that both of those

people and the Wyoming people that would go out and work on those were working for the same thing. They

35 (Pages 134 to 137)

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#### JACK MORROW HILLS

Page 138 Page 140 were working for the least damage to the environment. a question-and-answer session, sir, but I will try. I also know that my dad, when he retired This is a listening session for you to speak, but go and got our little chunk of heaven up there on 3 Togwotee Pass, when they wanted to open that for oil A SPECTATOR: I was going to ask a and gas, my dad stepped up to say, "Not in my back question about who has surveyed all of these oil wells yard. There are some places that need to be saved." and oil pads? And he knew the inside. There are MR. GRIFFITH: Who surveyed them? accidents that happen in the oil field, and he know A SPECTATOR: Who surveyed them? Who is that. 9 the surveyor? 10 They didn't let him be on the Citizen's 10 MR. GRIFFITH: I can't answer that. I'm 11 Committee for some reason. It might have been sure it's within the company. 11 mentioning the environment accident where the rig blew 12 12 The BLM does not do any surveying for up and they spent quite a bit of time scraping oil off 13 oil and gas wells. It's done by the companies, the 13 14 the sides of the houses there in Byron. actual surveying. 14 15 I had never heard about that, but he We do on-sites with the companies when 15 16 knew about that. But anyway, there are other, there 16 we're getting ready to put in a well, you know, where 17 are places to get oil, and the Jack Morrow Hills we are going to have the pad, the reserves, that kind 18 should not be one of them. 18 of thing. We work with them on that kind of thing. I think that five years from now, ten 19 A SPECTATOR: That 106, that was 20 years from now, 20 years from now, Wyoming is the supposed to be surveyed by now. Indian, the American 20 place to say, "No, we are going to save these places, 21 Indian these rare places, these places without roads, without 22 MR. GRIFFITH: Okay. development." If we wait just a little while, all the 23 A SPECTATOR: - (insudible). other places where the rigs are running out just ready MR. GRIFFITH: Okay, I can't respond to 24 to go here in the next little while, all those other 25 that. Page 139 Page 141 places may be taken. A SPECTATOR: And who gets the benefit But Wyoming should say, "No, we're going out of the gas and oil? to save this chunk of land." And we'll benefit from MR. GRIFFITH: Well, the economy does, it in the future because we all know why people come the State of Wyoming does, the Federal Government.

A SPECTATOR: It's not used in here in to Wyoming, and it's not to go out and gaze at oil 6 derricks. 6 Wyoming. It's used someplace else, right? And I'm for the Citizens' Wildlife and MR. GRIFFITH: I can't answer how that's Wildlands Alternative. Thank you. marketed, sir. Some of it does stay in Wyoming. 8 9 O MR. GRIFFITH: Thanks, Colleen. Some of it goes out of state. I do know 10 that. 10 Our last speaker is Larry Berger. You A SPECTATOR: Okay. Thanks, MR. GRIFFITH: Okay. You're welcome. 11 have 58 minutes. MR. BERGER: I'm going to make this 12 12 13 13

short. I'm for the Citizens' Alternative. I bunt out there. I've biked out there. I've camped out there. And when people come to visit me, I take them out there because it's a

17 respect that I couldn't replace. Once you lose it, it's gone forever. 18 19 And I don't want to lose it.

I'm sure most people don't want to lose it, so let's take it.

MR. GRIFFITH: Yes, sir. Hand raised? A SPECTATOR: I just wanted to ask a question

MR. GRIFFITH: Remember that this is not

All right. Thank you again for another 14 marathon session. 15 This was important. I appreciate the 16 input. We need it. There is obviously a lot of 17 18 passion out there on both sides of this document. So thank you, and drive safe. And get 19 20 your comments in by the deadline. 21 (Whereupon, the above hearing was concluded.) 22 23 I certify the foregoing to be a true transcript from an audio 24

36 (Pages 138 to 141)

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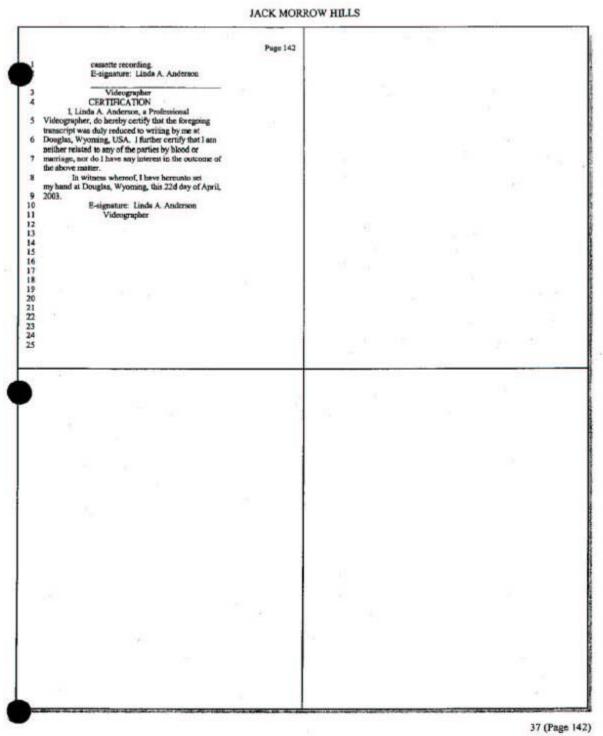
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STATE CAPITOL CHEYENNE, WY 82002

# Office of the Governor

June 25, 2003

Ms. Renee Dana Team Leader Rock Springs Field Office Bureau of Land Management 280 Highway 191 North Rock Springs, WY 82901

RE: Supplemental Draft Environmental Impact Statement for the Jack Morrow Hills Coordinated Activity Plan/Draft Green River Resources Management Plan Amendment (DEIS).

State Identifier: 98-022

Dear Ms. Dana:

The agencies of the State of Wyoming and its county and conservation district partners (cooperators) have reviewed the Supplemental Draft Environmental Impact Statement (SDEIS) for the Jack Morrow Hills Coordinated Activity Plan (JMHCAP). The cooperators have participated in the Steering Committee meetings, public meetings, and cooperator meetings. As you have already received these comments, please allow me to submit those of the State.

There is much work to do in incorporating the public's comments, the cooperators' input, corrections, edits, and more into the draft. Within these various comments you will see both ends of the spectrum; from full development of the area, to full protection. It is my belief that neither of these extremes is in the best interest of The Jack Morrow Hills, the citizens of Wyoming, or the country.

It is clear that there is still a strong demand for oil and gas throughout the United States, it is also clear that the Jack Morrow Hills area has the potential to meet some of this demand. Oil and gas development in Wyoming creates high paying jobs. Taxes on development contribute to the state's overall fiscal health. That having been said, however, I am convinced that there are certain areas that deserve to be protected-protection which needs to be continued or increased in some areas, as well as protection to establish in others. I understand that this balancing act between development alternatives will not be easy, and I offer our continued assistance in the tasks that remain.

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BLM-Jack Morrow Hills June 25, 2003 Page 2 of 7

The Preferred Alternative that has been crafted for the SDEIS has, I believe, incorporated many positive aspects from all three of the other alternatives. I believe this is generally the appropriate course for the BLM to pursue. However, there are some provisions of the Preferred Alternative that should be strengthened.

## Native American Cultural Resources Management

More protection needs to be afforded to Native American cultural and spiritual sites. The Preferred Alternative states, "the planning area would be managed to protect important heritage resources (cultural, historic, archaeological, and unique geological features) while allowing for education research and appropriate interpretive uses." I believe, however, that more prescriptive consultation and protection measures should be included. Specifically, consultation with tribal elders or other designated representatives of the Tribes should be provided for prior to any activity that could negatively impact, or interfere with use of, a respected or religious area. In addition, the Indian Gap Trail should be elevated to the same level of importance and protection as other historic trails in this area.

## Air Resources Management

The FLPMA states "the public lands [are to] be managed in a manner that will protect the quality of scientific, historical, ecological, environmental, air and atmospheric, water resource, and archeological values." I agree with the Preferred Alternative in that the planning area should be managed to maintain and, where possible, enhance present air quality levels. However the SDEIS must recognize that the responsibility and authority for protection and management of the air resource lies with the State, not only for the Jack Morrow Hills area, but for all of Wyoming. Consequently, to ensure that air quality does not degrade (and perhaps improves) I suggest the BLM remain in close coordination with the State regulatory agency as management decisions are being contemplated for the area.

The Department of Environmental Quality (DEQ), through the Air Quality Division, is the recognized permitting authority for both State and Federal air quality regulations. In exercising its permitting authority, the state requires application of Best Available Control Technology (BACT) on all new or modified sources, whether they are minor or major emission sources. In this regard the State is more stringent--and consequently more protective of the air resource--than Federal requirements, which do not require even minor source permitting.

While there has been some discussion of potentially applying BACT to "grandfathered' sources and Best Available Retrofit Technology (BART) to all emission sources in Southwest Wyoming, it must be recognized that there are specific regulatory

BLM-Jack Morrow Hills June 25, 2003 Page 3 of 7

limitations in both these Federal and State rules. On the other hand, in exercising its permitting authority, the State will continue to limit emissions to the maximum extent possible from any source operating or proposing to operate in Wyoming. It should also be noted that, although there is some concern expressed regarding cumulative impacts—extending even to whether the Class I or Class II increment has been consumed—there have been no regulatory analyses performed to confirm or dispel this concern. The Wyoming DEQ, however, is currently in the process of rectifying this deficiency by developing a comprehensive statewide current and baseline emissions inventory and the necessary modeling protocols to conduct the analyses, not only for Southwest Wyoming, but for other areas of the State as well. This is a complex effort and will require some time to complete, however the State is targeting completion of this effort in mid-2004. In the meantime, I encourage the BLM, within the scope of its authority and in close coordination with State and Federal regulatory agencies, to implement management actions that minimize emissions, in particular:

- > Enforcement by BLM of Standard Federal Oil and Gas Lease Term #6 (Conduct of operations) to control operations in a manner that minimizes impacts to air resources.
- > Control particulate emissions (PM10 and PM2.5) by ensuring timely and complete reclamation of disturbed areas and adequate dust control measures.

# Recreation Resource Management

I support this section of the Preferred Alternative. I would note our continuing concern that the BLM increase its efforts to assure the public's access to public lands.

# Minerals and Alternative Energy Development/ Special Management Areas

FLPMA's definition of multiple use expressly recognizes that "the most judicious use of land may involve the use of some land for less than all of the resources, and that consideration must be given to the relative values of the resources and not necessarily the combination of uses that will give the greatest economic return." The difficulty here lies in the many and varying definitions of relative values and greatest economic return. Nevertheless, I believe there can and should be a compromise with regard to mineral development and special area protection. I am not at all convinced, however, that the Adaptive Management approach, called for in the Preferred Alternative, is the right compromise. I believe the conclusions of Alternative 3 reach this sort of compromise, with the exception of Adaptive Management, discussed below. Alternative 3, which allows for the expansion of three and the creation one new Area of Critical Environmental Concern and one new Wildlife Study area, also provides for future development "as long as sensitive resource values are protected from unacceptable

BLM-Jack Morrow Hills June 25, 2003 Page 4 of 7

impacts." In addition, cumulative development impacts should be taken into consideration when addressing further development.

Lease Buy-out or exchange

Upon consultation with the leaseholder whose lease may be suspended, I believe that a lease buy-out or exchange is an option that might be pursued. This action would save time and money in the long-term by avoiding conflict between mineral development and areas of cultural and/or environmental concern. This seems particularly important since I was told during a recent tour of the Jack Morrow Hills that 40 percent of the core area is already under lease.

Mineral exchanges should also be pursued where state acreage is embraced within EIS restricted areas. Equal-value, developable federal land and minerals should be exchanged for the impacted state acreage where possible. However, such exchanges could be balanced or augmented by cash or other valuable interests.

## Adaptive Management

Adaptive management is a central element of the plan, yet it is the aspect which causes me the greatest concern. Simply put, I wonder whether it will result in a management philosophy that has the potential to change over time, thereby making it difficult to respond to at the state level. I am left to wonder what data will be generated to drive or justify that change. If the Department of Interior and the Bureau of Land Management are going to make use of adaptive management, then it is imperative that there is meaningful state and local participation throughout the process. I would ask that a specific state role be defined in this process in order to maintain balance.

In addition to my request for state participation throughout the adaptive management process, I would request that a proportionate share of state lands be included in any area in which mineral development is allowed. This would mitigate the possibility that any mineral development restrictions could disproportionately impact the dispersed state lands, which comprise approximately six percent of the total acreage.

## Wildlife Migration

I believe that greater emphasis needs to be focused on sensitive species protection—particularly for elk, deer and pronghorn.

A number of these and other sensitive species are found within the JMHCAP area which may experience adverse effects from the industrial development of their habitat if certain guidelines are not put in place. I support and encourage the idea of additional

BLM-Jack Morrow Hills June 25, 2003 Page 5 of 7

protection for the mountain plover aggregation areas with buffers as stated in the Preferred Alternative. Many sensitive species are at historically low numbers and have the potential for an endangered listing if their numbers decline. It is in the interest of all stakeholders to prevent such listing from occurring by protecting these species. I encourage you to enhance the recommendations put forth in Alternative 2 towards this goal. This action, along with the leaseholders' agreements in dealing with threatened and endangered species, should provide enough protective measures to ensure continued recovery of these species.

It is also imperative that impacts to the habitats and migration patterns of the big game herds of elk and mule deer in this area be mitigated. The mule deer population is already below standard levels, and further development will not add to their numbers. The Steamboat Mountain ACEC needs to be expanded to its greatest allowable extent for the protection of crucial elk winter range and birthing areas. Within this expanded area protections need to be put in place to maintain current population objectives of these species. The cumulative effects on the elk and deer that could arise from potential development in the Red Desert could prove to be disastrous for these two species in the future. The JMHCAP will set a precedent on how wildlife protection will be viewed with respect to other Resource Management Plans in this area.

I understand some disturbance within the big game migration patterns is inevitable, but I would recommend further study to determine the disturbance threshold of the planning area. In addition, I suggest making projections and developing proactive solutions to address these problems instead of resorting to ill-defined adaptive management. A wildlife mitigation fund might be an option worth exploring. I believe such an approach was applied in the original development of the Overthrust Belt, and may be adaptable to the Jack Morrow Hills. The DEIS states that once disturbance reaches a certain threshold, impacts are expected to become significant. I am instructing the State Working Group to ensure that some forethought is given to the potential effects to wildlife from this impact, and to address them with you. Because of the sensitivity of this plan, I do not believe that a complex and costly "adaptive management" strategy is sufficient, and believe that it would foster financial and planning problems for the State and BLM.

I would appreciate your looking at the existing leases within the JMHCAP to ensure that some form of mitigation measure is included. If there is not, I would ask you to consult with the leaseholders and attempt to establish new leases within the framework of the new RMP that would include mitigation and recovery.

Overall, I encourage you to reexamine and promote the wildlife provisions of Alternative 2 within the new Preferred Alternative. Both of our offices have received extensive correspondence regarding wildlife protections. I add my support in encouraging

BLM-Jack Morrow Hills June 25, 2003 Page 6 of 7

you to ensure species viability and long-term survival. Future generations of Wyoming citizens must also be able to enjoy this ecologically diverse area.

## Access

Access to state and other public lands is a concern of the state. We have a right to access the lands provided for the state's use pursuant to W.S. §36-12-102. This is fundamental to the state's ability to manage its state lands in a healthy, sustainable, and economically sound manner. In addition, it is the right of Wyoming citizens to utilize federal lands that are in the public domain. I believe the Preferred Alternative attempts to protect these access rights, however we will continue to encourage you to support workable citizen access to public lands.

In addition to the discussion from the cooperator meetings which you will factor into your decision, I am enclosing comments of the Wyoming Department of Agriculture, the Wyoming Game and Fish Department, the State Historical Preservation Office, the Office of State Lands and Investments, the State Department of Environmental Quality, the Wyoming State Geological Survey, the Wyoming Business Council, the Popo Agic Conservation District, and the Sweetwater County Conservation District. I appreciate your consideration of these comments.

Thank you for the opportunity to comment.

Best regards,

Dave Freudenthal

Governor

DDF:st

CC: BLM Director, Kathleen Clark BLM State Director, Bob Bennett U.S. Senator Craig Thomas U.S. Senator Mike Enzi

> U.S. Representative Barbara Cubin Popo Agie Conservation District Sweetwater Conservation District

BLM-Jack Morrow Hills June 25, 2003 Page 7 of 7

Wyoming Game and Fish Department
Office of State Lands and Investments
State Historic Preservation Office
Wyoming Department of Agriculture
Wyoming State Geological Survey
Wyoming Business Council
Wyoming Department of Environmental Quality

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Red Desert Audubon Society P.O. Box 882 Lander, WY 82520 23 May 2003

Jack Morrow Hills CAP Team Leader 280 Highway 191 North Rock Springs, Wyoming 82901

Dear Jack Morrow Hills CAP Team Leader,

As President of the Red Desert Audubon Society, my comments today represent the beliefs and concerns of 150 members, spanning the Red Desert area and beyond, from Dubois to Evanston.

We strongly support the Citizen's Wildlife and Wildlands Alternative of the Supplemental Draft Environmental Impact Statement for the Jack Morrow Hills Coordinated Activity Plan.

There are eight species classified as "sagebrush obligates", i.e. species that are restricted to sagebrush habitat during the breeding season or year-round. These include the pronghorn antelope, pygmy rabbit, sagebrush vole, Greater Sage-Grouse, Sage Thrasher, Sage Sparrow, Brewer's Sparrow, and sagebrush lizard. Two of these species have already been petitioned for federal Threatened/Endangered Species status – the Greater Sage-Grouse and the pygmy rabbit. On a landscape scale, Wyoming provides the greatest amount of habitat for these sagebrush obligates that any other state in the nation. This is a responsibility we should not take lightly.

Recent research in the Pinedale area and in New Mexico and Oregon has revealed that there is a threshold of roads and noise that birds will tolerate, particularly those that rely on vocalizations to attract mates (please see attached documents). Although areas above these thresholds will still hold birds, it's the diversity of species, and not number of individuals, that matters. Industrialized areas lose the avian species that represent diverse habitat qualities, and attract instead species like the Horned Lark (an aggressive species that is very tolerant of disturbance). As bird advocates, we certainly do not want to see this type of avian homogenization occur in the Jack Morrow Hills.

We would be remiss in our obligation to provide critical habitat for sagebrush obligate species if we allow this area to be developed, especially for the paltry amount of oil and natural gas that is said to be extractable.

Once again, we strongly support the Citizens Wildlife and Wildlands Alternative for the Jack Morrow Hills, and respectfully request you to do the same.

Sincerely,

Andrea Cerovski

President, Red Desert Audubon Society

Andrea Cerovski

Ingelfinger, F. 2001. The effects of natural gas development on sagebrush steppe passerings in sublette County, wy. Master's Thesis, u. of wy.

# PASSERINE RESPONSE TO ROADS ASSOCIATED WITH NATURAL GAS DEVELOPMENT

Because roads are one of the more conspicuous disturbances associated with natural gas development, I examined how roads influence passerine distribution and abundance within the Pinedale Anticline Project Area. Previous studies have shown that when daily traffic volumes are high (> 10,000 vehicles/day), passerine abundance is reduced within a zone that extends several hundred meters from the road's edge probably due to noise created by constant, heavy traffic volume (Warner 1992, Foppen and Reijnen 1994, Reijnen and Foppen 1994, Reijnen et al. 1996). However, roads created during natural gas development are not paved and traffic volume is light, ranging from less than 800 vehicles per day along entrance roads to fewer than 10 vehicles per week on roads providing access to individual wells. Despite low traffic volumes, I found that roads associated with natural gas extraction negatively impact sagebrush obligates. The impacts are greatest along access roads where traffic volumes are high and within 100 m of these roads, sagebrush obligates are reduced by as much as 60%. Even along roads with traffic volumes below 12 vehicles per day, sagebrush obligate density was reduced by 50% within the 100-m road zone.

Regardless of traffic volume, sagebrush obligate density is reduced within 100 m of roads associated with natural gas development. Three mechanisms may be responsible for the observed declines 1) noise and dust disturbance crated by traffic, 2) increased horned lark abundance along roads which may deter other species from using the area, and 3) avoidance of habitat edges created by roads. Traffic volume along main access roads is relatively continuous throughout the day. It is likely that along such roads, birds are responding to noise and dust created by traffic.

However, on secondary roads where traffic is infrequent, it is unlikely that either noise or dust disturbance are consistent enough to cause the observed reductions in bird density. The second mechanism that may contribute to sagebrush obligate bird decline along roads is the effect that dirt roads have on horned lark distribution. Horned larks are a common grassland species that nest in sagebrush steppe habitats in open areas where sagebrush cover is low. Horned larks are primarily granivorous, and even during the breeding season seeds comprise a large portion of their diet (Rotenberry 1980b, Beason

104

1995). Horned larks are common along dirt roads (Beason 1995) where they forage on windblown seeds that collect in the lee of gravel. In the PAPA, the concentration of seed resources along dirt roads may attract horned larks to these areas. Within the 100-m road zone horned lark density increased by 30% relative to areas outside this zone (P = 0.023, marginally statistically significant at the Bonferroni family correction alpha of 0.0125). Within this road zone horned larks accounted for 31% of species' detections, compared to only 16% outside this zone. Because horned larks observed foraging on roads and road margins were outside point count boundaries, estimates of homed lark abundance within the road zone are conservative. While competition is rare within the sagebrush steppe avian community (Wiens 1977, Rotenberry 1980b), concentration of seed resources along dirt roads may create a foraging opportunity that is defended by homed larks. Homed larks are the second largest passerine in the study area, second only to the sage thrasher, and horned larks were repeatedly observed initiating aggressive interactions with Brewer's and sage sparrows along roads. The increased concentration of homed larks along roads may reduce the surrounding habitat's attractiveness to other sympatric species through either exploitative or interference competition.

A third mechanism that may contribute to sagebrush obligate decline along roads is avoidance of edges created by road construction. Sagebrush naturally occurs in an unbroken, homogeneous stand throughout the PAPA, and roads bisecting the area create a sharp edge that breaks habitat continuity. While not statistically significant, there is some evidence that at least sage sparrows might avoid sagebrush habitats along edges created by surface disturbance. Along the surveyed pipeline, sage sparrow density was 64% lower within the 100-m buffer zone despite traffic absence. Although this decline was not statistically significant (P = 0.047), it provides some evidence of edge avoidance.

While a 50% reduction in sagebrush obligate bird density along a single road may not be biologically significant, the effect of the construction of multiple roads within a single development area can be substantial. In the Bureau of Land Management's Record of Decision, the BLM approved the construction of 444 km of roads within the 64,000 ha of the PAPA under their management (Bureau of Land Management 2000), equivalent to an average road density of 0.7 km of road per km<sup>2</sup> (1.13 miles / mile<sup>2</sup>). If a conservative

105

road width of 10 m is used, roads will cover 0.7% of the PAPA. If a 100-m buffer is extended along the roads, roads will impact 14.6% of the Pinedale Anticline Project Area.

MANAGEMENT IMPLICATIONS

The effect of natural gas development and extraction on the avifauna of this sagebrush steppe dominated project area will be both short and long-term. Short-term effects are those that occur during the 50-year development and extraction phase of the project. Short-term impacts include direct habitat loss due to construction of pipelines, roads, and well pads; species response to increased noise, traffic and human presence; changes in species composition resulting from surface disturbance; and localized effects of habitat fragmentation within the project area. The long-term effects of development relate to the ability of the avifauna to recover after completion of extraction operations, field abandonment, and reclamation of the project area. Long-term effects are harder to predict as they depend not only on local reclamation success but on state and region wide patterns in sagebrush management that occur concomitantly with development.

Results from this study indicate that regardless of traffic volume, roads associated with natural gas development will reduce the abundance of sagebrush obligate passerines. While sagebrush obligates are expected to decline, horned lark abundance should increase. Horned larks are year-round residents and have higher fecundity rates than sagebrush obligates. The horned lark can raise more than three broods during a season, compared to the single or double broods of sagebrush obligates; and as winter residents of the area, horned larks are able to nest earlier than sympatric species. In both 1999 and 2000, horned larks were feeding nestlings by May 10, before Brewer's sparrows had returned from their winter grounds. Sagebrush obligate numbers will also be affected by increases in common ravens, as ravens prey on sagebrush obligate nestlings (Martin and Carlson 1998). Ravens were frequently observed nesting on structures associated with gas extraction, and the provision of nesting structures will likely increase raven density in the project area.

Because this study was conducted prior to development, it is unclear what the cumulative effects of roads and other forms of surface disturbance will be. While shrubsteppe species are likely adapted to the large continuous structure of sagebrush

106

habitats, habitat fragmentation associated with natural gas development will probably affect bird distribution.

The long-term effect of natural gas development depends on the ability of the avian community to recover after extraction completion and reclamation of the area. While breeding ground densities are often below habitat carrying capacity (Wiens 1974, 1977), suggesting that habitat loss will have little impact on sagebrush passerine populations, these species evolved in a continuous landscape of sagebrush habitat and fragmentation could compound the effects of habitat loss.

It is also noteworthy that, sagebrush obligate passerines have been declining over the past forty years throughout their range (Sauer et al. 1997). While the cause of these declines is largely undetermined, fragmentation of sagebrush steppe habitats is probably important. Sagebrush communities throughout the West have been fragmented by conversion to agriculture (Dobler 1996), herbicide and mechanical removal (Braun et al. 1976), exotic species invasion (Whisenant 1990), and human development (Paige and Ritter 1999). In Colorado, herbicide treatment has altered over 30% of that state's sagebrush community (Braun et al. 1976), and in Washington, in part due to agricultural conversion of shrub habitats, only 40% of the state's original 4 million hectares of sagebrush steppe remain (Dobler et al. 1996).

Compared to other western states, Wyoming's sagebrush steppe is relatively unaltered by man. Although areas have been treated, burned, grazed by cattle, and developed, the majority is still untouched. However, expansion of oil and gas development throughout Wyoming's sagebrush steppe communities will probably negatively impact the breeding bird community that depends on this habitat. The ability of bird populations to recover after development is not only dependent on the success of local reclamation, but also on state and region wide management practices that occur concomitantly with development. Clearly the development of a single natural gas field will have few significant long-term ramifications. However, the development of numerous fields statewide combined with other land use practices that alter sagebrush habitats, could reduce the avian community's ability to recover from short-term alterations in habitat and land uses. Therefore, development in sagebrush habitats should

107

consider not only short-term localized effects, but also the effect that local development has on the region-wide distribution and landscape patterns of sagebrush habitats.

## CONCLUSION

Natural gas development in Wyoming is important both for the state's economy and to reduce this country's dependency on foreign energy resources. While surface occupancy during extraction is relatively ephemeral, the ecological impact can be persistent. Over the next few decades, natural gas extraction is expected to increase throughout Wyoming's sagebrush communities. The impact that development will have on the passerines reliant on the sagebrush community will depend on the local intensity and regional patterns of development. Results from this study suggest that sagebrush obligates (Brewer's sparrows, sage sparrows, and sage thrashers) will decline while horned lark numbers will increase during development. These changes in species composition are the result of surface disturbances associated with road construction. My results support arguments for both the complete reclamation of roads after development as well as investigation into technologies that would reduce the proliferation of roads within the Pinedale Anticline Project Area.

Future monitoring of sagebrush steppe avian communities within the Pinedale

Anticline Project Area and throughout Wyoming seems warranted. Monitoring should
focus on how habitat fragmentation associated with natural gas extraction and other
forms of land use impact the bird community and other flora and fauna. Breeding-bird
surveys should consider using larger radii point counts than were employed in this study
in order to incorporate the variation associated with the patchy distribution of these
species within counts. Because densities based on point counts of different radii are not
comparable (Hutto 1986), future studies employing larger radii counts should note
detection within the first 50 m so that densities can be compared to those from this study.

The following is excerpted from the Wyoming Bird Conservation Plan, Version 1.0 (Cerovski, A., M. Gorges, T. Byer, K. Duffy, and D. Felley, editors. 2001. Wyoming Bird Conservation Plan, Version 1.0. Wyoming Partners In Flight. Wyoming Game and Fish Department, Lander, WY.)

## Effects of Noise on Birds

Continuous noise (e.g. gas well compressors, drill rigs, highways, and construction activities) can interfere with the vocal communication of birds, particularly singing males, making it more difficult for males in noisy environments to defend territories and attract and maintain mates. Continuous noise may adversely affect territory selection, territorial defense, dispersal, foraging success, fledging success, and song learning. Noise can produce stress in individuals and stress avoidance could result in lower population density in noisy areas. Noise can also affect habitat selection if birds have greater difficulty obtaining food because aural cues are less effective. Essentially, these adverse noise effects reduce the quality of affected habitats and could result in avoidance of noisier habitats and reduced population density in those habitats relative to quieter habitats. Species differ in their tolerance of and responses to noise, and over time more tolerant species may replace less tolerant species in noisier habitats.

The effects of continuous noise on bird communities are probably strongest in areas where noise is over 50 dBA, but even moderate noise levels (40 to 50 dBA) may have some effect on bird communities. An increase of 10 dBA above background noise is probably acceptable in most situations. Assuming that background noise is approximately 39 dBA in the daytime and the evening, this is equal to the U.S. Federal Energy Regulatory Commission (FERC) level for constant noise generators (49 dBA). At nighttime it is equal to 42 dBA. To minimize the effects of continuous noise on bird populations, reduce the noise level to 49 dBA or less.

Constant noise generators should be located far enough away from sensitive habitats such as grouse leks and raptor nests that the noise that reaches those habitats is less than 49 dBA. For example, the noise impact from drill rigs is greater than 49 dBA when the rig is closer than about 800 feet (250 m) to a receptor; impact from a 26,000 horsepower compressor station is greater than 49 dBA when located closer than about 2,500 feet (750 m) to a receptor. Near roads with 10,000 cars per day the population density of birds may be reduced up to 1 mile (1.5 km) from the road, while near very busy roads (up to 60,000 cars per day) the effect may be felt up to 2 miles (2.9 km) away. Avoid placing well pads, roads, and any other facilities requiring human presence within 825 feet (250 m) of raptor nests to prevent flushing adults from the nest. This buffer zone should be expanded in areas where prey are scarce, as raptors must spend more time searching for prey and may be less tolerant of disturbances.

Where possible, avoid construction activities and other temporary disturbances during the breeding season in areas where priority bird species occur. Avoid noisy disturbances within a ½ mile (0.8 km) of active or occupied raptor nests during the period from February 1 through July 31 to prevent nest abandonment.

If necessary, implement mitigation measures to decrease continuous noise levels. For example, enclose compressor engines with buildings and install additional suppression around muffler exhausts. Noise barriers can be constructed at drilling and testing operations, and noise dampening around engines should be considered (including foam insulation around drilling rigs).

## References and Literature Cited

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Moorehead, M., and L. Epstein. 1985. Regulation of small-scale energy facilities in Oregon: background report. Volume 2. Oregon Department of Energy, Salem.

Morrison, M. L. 1998. Avian Risk and Fatality Protocol. National Renewable Energy Laboratory, Golden, CO. 7pp.

Entire study area 
4 trillien of of technically (not economically) feasible gas
535,000 barrels of oil

9 wks of natural gas } For nation - based on
39 minutes of oil drilling everything

FRIENDS OF THE RED DESERT, Source,

200,002



"George Ruebelmann" <ruebwilk@wavecom.n To: <a href="mail\_jmhcap@blm.gov">co;</a>
Subject: jack morrow hills comments

02/24/2003 01:25 PM

## Dear BLM.

The protections for Jack Morrow wanted by the public in Wyoming and around the world were outlined in what is known as the Conservation Plan option. The management of roadless areas, the elk and big horn sheep herd habitats, and air and water quality for wildlife habitat were protected under that conservation plan which you are recommending against.

We are from Wyoming. We have retired in Wyoming. We worked many years for state and federal government in Wyoming. We have earned the right to be heard as citizens of this state. Contrary to information put out for the newsmedia, I believe we are in the majority in our beliefs that Jack Morrow habitat needs every protection available to federal resource managers.

Please do not let drilling of any sort in the pristine areas needed for wildlife habitat. Please manage the Red desert and the great divide basin for it's most valuable resources; the renewable ones.

There is no evidence that the unrenewables (oil, gas, and coalbed methane) are more valuable to the people of Wyoming than a pristine area filled with what the rest of the world wants and needs: a pure desert habitat. It is one of the very few left in our world. Please manage the Jack Marrow hills in the Red Desert for those values. Please use scientific evidence to establish areas of pristine units to preserve unscathed so our children and grandchildren can experience one of the last desert eco-systems in the world.

Thank you for listening to our concerns. They are shared by so many of us.

lorna wilkes and george ruebelmann

200,011



"John Anderson" <elderjbanderson@hot mail.com>

03/16/2003 09:31 AM

To: bob\_bennett@blm.gov, wymail\_jmhcap@blm.gov cc: gale\_norton@ios.doi.gov, senator@thomas.senate.gov Subject: Wildlife and Wildlands alternative

I am opposed to this alternative. I believe we need to do MORE to develop our resources in the face of dwindling supplies and unsure sources. I am also against the restricted access proposed in the alternative as we currently have adequate wilderness areas preserved with limited access.

Why protect things like the pony express trail and the Oregon trail if the average person can not have access to them through appropriate road construction and maintenance

Proper management can protect the wildlife and their habitat and still develop the oil and gas properties to provide us with much needed energy sources.

John Anderson

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200,014



# Bob Brister <br/> bbrister@greens.org> 03/23/2003 09:29 AM

To: wymail\_jmhcap@blm.gov cc: Gale\_Norton@ios.doi.gov Subject: protect Jack Morrow Hills

March 23, 2003

Renee Dana Rock Springs Field Office Project Leader Rock Springs, WY

Dear Renee Dana,

I am writing to support the Citizens' Wildlife and Wildlands Alternative for the Jack Morrow Hills. I live in Utah and visit Wyoming to experience its great natural areas.

First and foremost, the roadless areas of this land should be protected. All vehicles should be restricted to designated roads. New roads and developments in roadless areas should be prohibited.

Mineral leases in the area should be traded or bought-out. New oil and gas leasing and mining activities should be not be allowed. The size of the Wilderness Study Areas should be increased to that recommended by the Citizen's Proposal boundaries. These lands should be recommended to Congress for Wilderness designation.

Native American holy sites and historic landmarks such as the Oregon Trail should be protected.

The long-term survival of the Red Desert elk and pronghorn antelope herds and other wildlife must be the plan's priority.

I urge that the BLM select this alternative as the best plan for protecting the natural beauty and ecological integrity of the Red Desert. Ecological protection and restoration is the highest and best used of our public lands.

Sincerely,

Bob Brister 1102 South 800 East #A Salt Lake City, UT 84105

To: wymail\_jmhcap@blm.gov

200,026



BENNATTI@ACADIA.N ET 03/26/2003 04:52 PM

CC:

Subject: Protect the Red Desert from Oil and Gas Drilling

Rock Springs Field Office Project Leader Renee Dana

Dear Rock Springs Field Office Project Leader Renee Dana,

Please support the Wildlife and Wildlands Alternative for the Jack Morrow Hills Plan. It would be a terrible shame to forever scar this national treasure through oil and natural gas drilling or mining activities. Please protect this area by preventing the sale of mineral leases, preventing new road construction in roadless areas, and designating as wilderness areas sections that meet wilderness criteria. This is critical habitat for pronghorn antelope and other wildlife. Please protect this region. Future generations will judge us by the resources we leave for them and the health of the Earth they inherit.

Sincerely,

CAROLYN BENNATTI 1556 BALD MOUNTAIN RD ORLAND, Maine 04472

cc:

Secretary of the Interior Gale Norton

200,027



SBRITTI437@AOL.CO M 03/26/2003 05:57 PM To: wymail\_imhcap@blm.gov cc:

Subject: Red Desert

Rock Springs Field Office Project Leader Renee Dana

Dear Rock Springs Field Office Project Leader Renee Dana,

I am requesting the Rock Springs BLM support the Wildlife and Wildlands Alternative for the Jack Morrow Hills Plan that would allow recreation uses that will not degrade the biological structure of the Red Desert. Road building has been identified in peer reviewed scientific journals as a prime factor in habitat fragmentation stressing ecosystem functioning as well as costing the taxpayer money in loss of ecosystem productivity and the increased cost associated with invasive plant species outcompeting native plants while changing the natural fire regime.

I am also asking for a cessation of new oil and gas leasing as well as large scale mining activities. The integrity of Wilderness Study Areas should be maintained and moved to Wilderness classification by Congress to protect Native American religious sites as well as supporting native flora and fauna within a functioning biological structure.

I urge that the BLM select this alternative as the best plan for protecting the wildlife, natural beauty and ecological integrity of this portion of the Red Desert.

Sincerely,

Steve Brittingham Box 561, Star Rt. 38 Mount Charleston, Nevada 89124

cc: Secretary of the Interior Gale Norton

200,037



Vince Desimone <vincedesimone@yah oo.com>

03/30/2003 04:51 PM

To: Renee Dana <wymail\_jmhcap@blm.gov>

cc: Gale\_Norton@ios.doi.gov, senator@thomas.senate.gov

Subject: Red Desert/Jack Morrow Hills Plan

## Greetings:

I support the Citizens' Wildlife and Wildlands Alternative fo the Jack Morrow Hills Plan.

I support increasing the size of wilderness where possible. The Ctizens' inventories have identified qualifying lands. No new roads should be allowed in areas that could possibly be wilderness.

The Citizns' proposal would balance the need for access for recreation, hunting, grazing and ORV use.

The Red Desert elk and antelope herds along with other wildlife should be protected.

There should be no new oil and gas leasing or other extractive (mining) allowed in the area.

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200,049



The Wilderness Vagabond <wildvagabond@yaho o.com> To: wymail\_jmhcap@blm.gov oc:

Subject: no to rs2477

04/05/2003 09:38 AM

Rob Jones 2478 East Elm Avenue, Salt Lake, Utah, 84109-1331 E-Mail: wildvagabond@yahoo.com

Date: April 5, 2003

Please act in concert with the RS 2477 congressional letter to the Dept. Of the Interior led by Representative Mark Udall (CO)

I want you to NOT process RS 2477 claims under the new disclaimer regulations. How about a lot more stewardship and protection of our public lands, and less callous, destructive "development" activities!

This destructive development strategy harms our national security via wasting resources such as fuel and encouraging the loss of our quality of life, and life itself through ruining our water quality, soils, air quality, etc. If any claims are to be processed, the Department of the Interior must adopt standards to assess the validity of these bogus highway claims. No such standards are in place. This is a highly irresponsible policy, which will do nothing more than create confusion and litigation.

This rush of new claims would essentially thwart current and future conservation measures meant to preserve these special places for future generations. Americans value our open spaces and for years have struggled with the question of how much to preserve. This new rule renders that ongoing discussion meaningless by allowing for thousands of miles of new "highways" to be declared virtually overnight.

Please do not abandon existing policy which offers state and local governments a fair opportunity to submit realistic and potentially valid claims under existing law. The Federal Land Policy Management Act did just that in 1976, and all Title V claims should go through this fair process of evaluation. Instead, the new rule turns a blind eye to fairness, abandoning a fair alternative that uses modern laws to ensure public involvement and compliance with environmental law.

Old riverbeds, cowpaths, and hiking trails were never meant to be considered as roads. Courts have laid out a rational set of standards that should become the norm for assessing these bogus claims.

These lands are our nation's birthright. They belong to all Americans, not just a few special interests.

Too often, the voice of the people is drowned by those who would exploit these special places, and ignore their greatest asset: the value of wilderness and open

spaces, void of roads.

The new regulations are dangerous because they could potentially validate the actions of irresponsible and unregulated off-road vehicle use in southern Utah. In increasing numbers, thousands of ATV riders head to Utah's public lands every day, and the threat of those irresponsible riders who don't follow the rules by staying on designated routes (of course the BLM is just now beginning to designate routes). Two tracks on the ground is all it takes for greedy people to file an "interest" for a new "road."

Please adopt and enforce a balanced and common-sense application of modern law, on a case-by-case basis. This includes public participation and the most up-to-date scientific knowledge for managing our lands wisely for future generations.

Please act in concert with the RS 2477 congressional letter to the Dept. Of the Interior led by Representative Mark Udall (CO) I want you to NOT process RS 2477 claims under the

I want you to NOT process RS 2477 claims under the new disclaimer regulations. How about a lot more stewardship and protection of our public lands, and less callous, destructive "development" activities!

See Rob's Trip Reports at: http://users.sisna.com/vagabond

Cordially, Rob

Do you Yahoo!? Yahoo! Tax Center - File online, calculators, forms, and more http://tax.yahoo.com